Coating for Treating Substrates for Ink Jet Printing Including Imbibing Solution for Enhanced Image Visualization and Retention, Method for Treating Said Substrates, and Articles Produced Therefrom Alison S. Bagwell et al.

Docket No. 16373

$$\begin{array}{c|c}
R_3 \\
\hline
N \\
R_3
\end{array}$$

$$\begin{array}{c|c}
X \\
R_3
\end{array}$$

$$\begin{array}{c|c}
X \\
R_3
\end{array}$$

$$\begin{array}{c|c}
A \\
B \\
R_1
\end{array}$$

$$\begin{array}{c|c}
A \\
R_2
\end{array}$$

$$\begin{array}{c|c}
 & \downarrow \\
 & \downarrow \\$$

$$\begin{array}{c|c}
 & \downarrow \\
 & \downarrow \\$$

R<sub>1</sub>, R<sub>2</sub>= quatemary ammonium, hydrophilic, hydrophobic, reactive, or self condensing group R<sub>3</sub>= H, alkyl, or alkoxy group X= halogen or other counter ion

FIG. 1A

$$\begin{array}{c|c}
 & \downarrow \\
 & \downarrow \\$$

a= 1 to 99%, b= (100-a)%, c= 0 to 100-(a+b)% R1, R2 - as above

FIG. 1B

$$\begin{array}{c|c}
 & \downarrow \\
 & \downarrow \\$$

a= 1 to 99%, b= (100-a)%

$$R_1 =$$

for CP 7091 RV, a~90; b~10

FIG. 1C

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